

RECEIVED  
CENTRAL FAX CENTER

001

DEC 07 2004

  
**CORVIS****FACSIMILE  
COVER SHEET**

Corvis Corporation  
 7015 Albert Einstein Drive  
 P.O. Box 9400  
 Columbia, MD 21046-9400  
 T 443.259.4000  
 F 443.259.4443

[www.corvis.com](http://www.corvis.com)

To:	Commissioner for Patents	From:	Michael C. Antone
Organization:	U.S. Patent and Trademark Office	Date:	December 7, 2004
Fax:	703-872-9306	Fax:	443-259-4278
Phone:		Phone:	443-259-4150
Pages:	15 (including cover page)		
Re:	U.S. Application Serial Number 09/939,784		

**CERTIFICATE OF TRANSMISSION (37 CFR 1.8)**Date of Transmission December 7, 2004

I hereby certify that the following papers and their attachments are being transmitted by facsimile to the United States Patent and Trademark Office at the fax number and on the date indicated above.

1. Transmittal Form;
2. Amendment; and
3. Fee Transmittal (x2).

Signature: Melinda SalinTyped or printed name: Melinda Salin

The attached document is intended only for the recipient. If you inadvertently receive this facsimile, please return it to the sender at the above address or destroy immediately and notify the sender. Your expenses in complying with the request in this disclaimer will be reimbursed.

\*\*\*PLEASE REPORT PROBLEMS WITH RECEPTION BY CALLING THE SENDER IMMEDIATELY.\*\*\*

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUnder the Paperwork Reduction Act of 1895, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/939,784
		Filing Date	August 28, 2001
		First Named Inventor	Zhengchen Yu
		Art Unit	2633
		Examiner Name	Dzung D. Tran
Total Number of Pages in This Submission	14	Attorney Docket Number	033337-0125

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form x2 <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Remarks	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Corvis Corporation Michael C. Antone
Signature	
Date	December 7, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**      **Faxed to: 703-872-9306**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Melinda Salin	
Signature		Date
	December 7, 2004	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 228)

## Complete if Known

Application Number	09/939,784
Filing Date	August 28, 2001
First Named Inventor	Zhengchen Yu
Examiner Name	Dzung D. Tran
Art Unit	2633
Attorney Docket No.	033337-0125

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number

500477

Deposit Account Name

Corvis Corporation

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

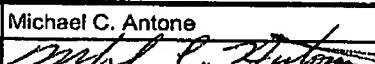
Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid	Fee Description	Fee Paid
1051 780	2001 395	Utility filing fee		Surcharge - late filing fee or oath	
1052 350	2002 175	Design filing fee		Surcharge - late provisional filing fee or cover sheet	
1053 550	2003 275	Plant filing fee		Non-English specification	
1054 780	2004 395	Reissue filing fee		For filing a request for ex parte reexamination	
1055 160	2005 80	Provisional filing fee		Requesting publication of SIR prior to Examiner action	
<b>SUBTOTAL (1) (\$)</b>				Requesting publication of SIR after Examiner action	
<b>SUBTOTAL (1) (\$)</b>				Extension for reply within first month	
<b>SUBTOTAL (1) (\$)</b>				Extension for reply within second month	
<b>SUBTOTAL (1) (\$)</b>				Extension for reply within third month	
<b>SUBTOTAL (1) (\$)</b>				Extension for reply within fourth month	
<b>SUBTOTAL (1) (\$)</b>				Extension for reply within fifth month	
<b>SUBTOTAL (1) (\$)</b>				Notice of Appeal	
<b>SUBTOTAL (1) (\$)</b>				Filing a brief in support of an appeal	
<b>SUBTOTAL (1) (\$)</b>				Request for oral hearing	
<b>SUBTOTAL (1) (\$)</b>				Petition to institute a public use proceeding	
<b>SUBTOTAL (1) (\$)</b>				Petition to revive - unavoidable	
<b>SUBTOTAL (1) (\$)</b>				Petition to revive - unintentional	
<b>SUBTOTAL (1) (\$)</b>				Utility issue fee (or reissue)	
<b>SUBTOTAL (1) (\$)</b>				Design issue fee	
<b>SUBTOTAL (1) (\$)</b>				Plant issue fee	
<b>SUBTOTAL (1) (\$)</b>				Petitions to the Commissioner	
<b>SUBTOTAL (1) (\$)</b>				Processing fee under 37 CFR 1.17(q)	
<b>SUBTOTAL (1) (\$)</b>				Submission of Information Disclosure Stmt	
<b>SUBTOTAL (1) (\$)</b>				Recording each patent assignment per property (times number of properties)	
<b>SUBTOTAL (1) (\$)</b>				Filing a submission after final rejection (37 CFR 1.129(a))	
<b>SUBTOTAL (1) (\$)</b>				For each additional invention to be examined (37 CFR 1.129(b))	
<b>SUBTOTAL (1) (\$)</b>				Request for Continued Examination (RCE)	
<b>SUBTOTAL (1) (\$)</b>				Request for expedited examination of a design application	
<b>SUBTOTAL (1) (\$)</b>				Terminal Disclaimer fee under 37 CFR 1.20(d)	
<b>SUBTOTAL (1) (\$)</b>				Other fee (specify)	
<b>SUBTOTAL (1) (\$)</b>				Reduced by Basic Filing Fee Paid	
<b>SUBTOTAL (1) (\$)</b>				SUBTOTAL (3) (\$)	0

\*or number previously paid, if greater. For Reissues, see above

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Michael C. Antone	Registration No. (Attorney/Agent)	39,094	Telephone	443-259-4150
Signature				Date	December 7, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 228)

## Complete if Known

Application Number	09/939,784
Filing Date	August 28, 2001
First Named Inventor	Zhengchen Yu
Examiner Name	Dzung D. Tran
Art Unit	2633
Attorney Docket No.	033337-0125

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number	500477
Deposit Account Name	Corvis Corporation

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Fee Code (\$)	Small Entity	Fee Code (\$)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1) (\$)					

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	210	Extra Claims below	Fee Paid
Independent Claims	6	210 - 6 = 204	204 x 18 = 36
Multiple Dependent		- 3** = 3	3 x 88 = 264

Large Entity	Small Entity	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	88	2201 44 Independent claims in excess of 3
1203	300	2203 150 Multiple dependent claim, if not paid
1204	88	2204 44 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 228)		

\*or number previously paid, if greater. For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	430	2252 215 Extension for reply within second month	
1253	980	2253 490 Extension for reply within third month	
1254	1,530	2254 765 Extension for reply within fourth month	
1255	2,080	2255 1,040 Extension for reply within fifth month	
1401	340	2401 170 Notice of Appeal	
1402	340	2402 170 Filing a brief in support of an appeal	
1403	300	2403 150 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,370	2453 685 Petition to revive - unintentional	
1501	1,370	2501 685 Utility issue fee (or reissue)	
1502	490	2502 245 Design issue fee	
1503	660	2503 330 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	790	2809 395 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810 395 For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801 395 Request for Continued Examination (RCE)	
1802	800	1802 800 Request for expedited examination of a design application	
Other fee (specify)		Terminal Disclaimer fee under 37 CFR 1.20(d)	
*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$ 0)	

(Complete if applicable)			
Name (Print/Type)	Michael C. Antone	Registration No. (Attorney/Agent)	39,094
Signature		Date	December 7, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.